

H1

wherein one of said first and second branches and the base are coplanar.

5. (Five Times Amended) An electrical connector, comprising:

a first face,

a second face opposite said first face, and

at least one housing for receiving a spring contact and opening onto both of said first and second faces,

wherein said spring contact is substantially U-shaped and has first and second branches and a base joining said first and second branches at one end for forming said U-shape, each of said first and second branches complete an electrical connection with a device, characterized in that said first and second branches lie in two diverging planes and the intersection of said two planes is within the base of the U-shape, and one of said first and second branches and the base are coplanar; and

wherein the spring contact is positioned in the housing so that the plane containing the base of the U-shape is substantially parallel to respective planes of the faces of the connector.

F2  
H3

9. (Three Times Amended) A connector according to claim 5, including a plurality of housings each receiving a respective <sup>said</sup> spring contact which is substantially U-shaped and has first and second branches and a base joining said first and second branches at one end for forming said U-shape, each of said first and second branches

F3  
H4

FS  
H4

complete an electrical connection with a device, characterized in that said first and second branches lie in two diverging planes and the intersection of said two planes is within the base of the U-shape, and one of said first and second branches and the base are coplanar] characterized in that <sup>said</sup> the spring contacts in two adjacent housings are positioned so that they are substantially parallel but the opposite way round to each other, one of said first and second branches of one contact being adjacent the other of said first and second branches of the adjacent contact.

**Please add the following new claims:**

F4  
H5

12. (New) A connector according to claim 5, including a plurality of housings each receiving a respective spring contact (which is substantially U-shaped and has first and second branches and a base joining said first and second branches at one end for forming said U-shape, each of said first and second branches complete an electrical connection with a device, characterized in that said first and second branches lie in two diverging planes and the intersection of said two planes is within the base of the U-shape, and one of said first and second branches and the base are coplanar,] wherein the electrical contact of at least one of said first and second branches is at the free end of said branch, characterized in that the spring contacts in two adjacent housings are positioned so that they are substantially parallel but the opposite way round to each other, one of said first and second branches of one contact being adjacent the other of said first and second branches of the adjacent contact.

13. (New) A connector according to claim 5, including a plurality of housings each receiving a respective spring contact which is substantially U-shaped and has first and second branches and a base joining said first and second branches at one end for forming said U-shape, each of said first and second branches complete an electrical connection with a device, characterized in that said first and second branches lie in two diverging planes and the intersection of said two planes is within the base of the U-shape, and one of said first and second branches and the base are coplanar, wherein one of said first and second branches is adapted to come in contact with a printed circuit and the other of said first and second branches is adapted to come into contact with a battery, characterized in that the spring contacts in two adjacent housings are positioned so that they are substantially parallel but the opposite way round to each other, one of said first and second branches of one contact being adjacent the other of said first and second branches of the adjacent contact.

14. (New) A connector, comprising:

a spring contact, wherein said spring contact is substantially U-shaped and has first and second branches and a base joining said first and second branches at one end for forming said U-shape, and wherein said first branch makes electrical contact with a first device and said second branch makes electrical contact with a second device,

characterized in that said first and second branches lie in two diverging planes and the intersection of said two planes is within the base of the U-shape, and wherein one of said first and second branches and the base are coplanar.

*Ex 15*  
15. (New) A connector according to claim 14, characterized in that the electrical contact of at least one of said first and second branches is at the free end of said branch.

*A4*  
16. (New) A connector according to claim 14, characterized in that said first device is a printed circuit and said second device is a battery.

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